

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/962,094DATE: 11/09/98
TIME: 16:52:50

INPUT SET: S29757.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

(1) General Information

(i) APPLICANT: Billing-Medel, Patricia A.
Cohen, Maurice
Colpitts, Tracey L.
Friedman, Paula N.
Gordon, Julian
Granados, Edward N.
Hodges, Steven C.
Klass, Michael R.
Kratochvil, Jon D.
Roberts-Rapp, Lisa
Russell, John C.
Stroupe, Steven D.

(ii) TITLE OF THE INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE BREAST

(iii) NUMBER OF SEQUENCES: 22

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Abbott Laboratories
(B) STREET: 100 Abbott Park Road
(C) CITY: Abbott Park
(D) STATE: IL
(E) COUNTRY: USA
(F) ZIP: 60064-3500

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Diskette
(B) COMPUTER: IBM Compatible
(C) OPERATING SYSTEM: DOS
(D) SOFTWARE: FastSEQ for Windows Version 2.0

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:
(B) FILING DATE:
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 08/742,067
(B) FILING DATE: 31-OCT-1996

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(viii) ATTORNEY/AGENT INFORMATION:

- (A) NAME: Becker, Cheryl L
- (B) REGISTRATION NUMBER: 35,441
- (C) REFERENCE/DOCKET NUMBER: 5995.US.P1

(ix) TELECOMMUNICATION INFORMATION:

- (A) TELEPHONE: 847/935-1729
- (B) TELEFAX: 847/938-2623
- (C) TELEX:

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 229 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| CGGCTCGAGC | TCTTAGGCTT | TGAAGCATTT | TTGTNTGTGC | TCCCTGATCT | TCATGTCACC | 60 |
| ACCATGAAGT | TCTTAGCAGT | CCTGGTACTC | TTGGGAGTTT | CCATCTNTCT | GGTCTCTGCC | 120 |
| CAGAATCCGA | CAACAGCTGC | TNCAGCTGAC | ACGNATCCAG | CTACTGGTCC | TGCTGATGAT | 180 |
| GAAGCCCCTG | ANGCTGAAAC | CACTGCTGCT | GCNACCACTG | CGACCACTG | | 229 |

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 308 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| TAGGCTTTGA | AGCATTTTGT | TCTGTGCTCC | CTGATCTTCA | GGTCACCACC | ATGAAGTTCT | 60 |
| TAGCAGTCCT | GGTACTCTTG | GGAGTTTCCA | TCTTTCTGGT | CTCTGCCCAG | AATCCGACAA | 120 |
| CAGCTGCTCC | AGCTGACACG | TATCCAGCTA | CTGGTCCTGC | TGATGATGAA | GCCCCTGATG | 180 |
| CTGAAACCAC | TGCTGCTGCA | ACCACTGCGA | CCACTGCTGC | TCCTACCACT | GCAACCACCG | 240 |
| CTGCTTCTAC | CACTGCTCGT | AAAGACATTC | CAGTTTACC | CAAATGGGTT | GGGGATCTTC | 300 |
| CGAATGGT | | | | | | 308 |

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 197 base pairs
- (B) TYPE: nucleic acid

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100 (C) STRANDEDNESS: single
101 (D) TOPOLOGY: linear
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103
104 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
105
106 GTTTTACCCA AATGGGTTGG GGATCTCCCG AATGGTAGAG TGTGTCCCTG AGATGGAATC 60
107 AGCTTGAGTC TTCTGCAATT GGTCACAAC ATTTCATGCTT CCTGTGATTT CATCCAATA 120
108 CTTACCTTGC CTACGATATC CCCTTTATCT CTAATCAGTT TATTTTCTTT CAAATAAAAA 180
109 ATAACATGA GCAACAT 197
110
111 (2) INFORMATION FOR SEQ ID NO:4:
112
113 (i) SEQUENCE CHARACTERISTICS:
114 (A) LENGTH: 482 base pairs
115 (B) TYPE: nucleic acid
116 (C) STRANDEDNESS: single
117 (D) TOPOLOGY: linear
118
119 (ix) FEATURE:
120 (A) NAME/KEY: base_polymorphism
121 (B) LOCATION: 54
122 (D) OTHER INFORMATION: /note= " K' represents a G/T
123 polymorphism at this position"
124
125 (ix) FEATURE:
126 (A) NAME/KEY: base_polymorphism
127 (B) LOCATION: 312
128 (D) OTHER INFORMATION: /note= " Y' represents a C/T
129 polymorphism at this position"
130
131
132 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
133
134 CGGCTCGAGC TCTTAGGCTT TGAAGCATTT TTGTCTGTGC TCCCTGATCT TCAKGTCACC 60
135 ACCATGAAGT TCTTAGCAGT CCTGGTACTC TTGGGAGTTT CCATCTTTCT GGTCTCTGCC 120
136 CAGAATCCGA CAACAGCTGC TCCAGCTGAC ACGTATCCAG CTACTGGTCC TGCTGATGAT 180
137 GAAGCCCCTG ATGCTGAAAC CACTGCTGCT GCAACCACTG CGACCACTGC TGCTCCTACC 240
138 ACTGCAACCA CCGCTGCTTC TACCACTGCT CGTAAAGACA TTCCAGTTTT ACCCAAATGG 300
139 GTTGGGGATC TYCCGAATGG TAGAGTGTGT CCCTGAGATG GAATCAGCTT GAGTCTTCTG 360
140 CAATTGGTCA CAACTATTCA TGCTTCCTGT GATTTTCATCC AACTACTTAC CTTGCCTACG 420
141 ATATCCCTT TATCTCTAAT CAGTTTATTT TCTTTCAAAT AAAAAATAAC TATGAGCAAC 480
142 AT 482
143
144 (2) INFORMATION FOR SEQ ID NO:5:
145
146 (i) SEQUENCE CHARACTERISTICS:
147 (A) LENGTH: 553 base pairs
148 (B) TYPE: nucleic acid
149 (C) STRANDEDNESS: single
150 (D) TOPOLOGY: linear
151
152 (ix) FEATURE:

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153 (A) NAME/KEY: base_polymorphism
154 (B) LOCATION: 543
155 (D) OTHER INFORMATION: /note= " R' represents an A/G
156 polymorphism at this position"
157
158

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

| | | | | | | |
|------------|------------|------------|------------|------------|--------------|-----|
| GAATTCGGCT | CGAGCGGCTC | GAGCTCTTAG | GCTTTGAAGC | ATTTTTGTCT | GTGCTCCCTG | 60 |
| ATCTTCATGT | CACCACCATG | AAGTTCTTAG | CAGTCCTGGT | ACTCTTGGGA | GTTTCCATCT | 120 |
| TTCTGGTCTC | TGCCCAGAAT | CCGACAACAG | CTGCTCCAGC | TGACACGTAT | CCAGCTACTG | 180 |
| GTCCTGCTGA | TGATGAAGCC | CCTGATGCTG | AAACCACTGC | TGCTGCAACC | ACTGCGACCA | 240 |
| CTGCTGCTCC | TACCACTGCA | ACCACCGCTG | CTTCTACCAC | TGCTCGTAAA | GACATTCCAG | 300 |
| TTTTACCCAA | ATGGGTTGGG | GATCTCCCGA | ATGGTAGAGT | GTGTCCCTGA | GATGGAATCA | 360 |
| GCTTGAGTCT | TCTGCAATTG | GTCACAACAT | TTCATGCTTC | CTGTGATTTC | ATCCAACACTAC | 420 |
| TTACCTTGCC | TACGATATCC | CCTTTATCTC | TAATCAGTTT | ATTTTCTTTT | AAATAAAAAA | 480 |
| TAACTATGAG | CAACAAAAAA | AAAAAAAAAA | AAAAAAAAAA | AAAAAAAAAA | AAAAAAAAAA | 540 |
| AARGGGCGGC | CGC | | | | | 553 |

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 68 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

| | | | | | | |
|------------|------------|------------|------------|------------|------------|----|
| AGCTCGGAAT | TCCGAGCTTG | GATCCTCTAG | AGCGGCCGCC | GACTAGTGAG | CTCGTCGACC | 60 |
| CGGGAATT | | | | | | 68 |

(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 68 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

| | | | | | | |
|------------|------------|------------|------------|------------|------------|----|
| AATTAATTCC | CGGGTCGACG | AGCTCACTAG | TCGGCGGCCG | CTCTAGAGGA | TCCAAGCTCG | 60 |
| GAATTCCG | | | | | | 68 |

(2) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 24 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single

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206 (D) TOPOLOGY: linear
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209 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
210
211 AGCGGATAAC AATTTCACAC AGGA 24
212
213 (2) INFORMATION FOR SEQ ID NO:9:
214
215 (i) SEQUENCE CHARACTERISTICS:
216 (A) LENGTH: 18 base pairs
217 (B) TYPE: nucleic acid
218 (C) STRANDEDNESS: single
219 (D) TOPOLOGY: linear
220
221
222 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
223
224 TGTAACACGA CGGCCAGT 18
225
226 (2) INFORMATION FOR SEQ ID NO:10:
227
228 (i) SEQUENCE CHARACTERISTICS:
229 (A) LENGTH: 20 base pairs
230 (B) TYPE: nucleic acid
231 (C) STRANDEDNESS: single
232 (D) TOPOLOGY: linear
233
234
235 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
236
237 ACTGCTCGTA AAGACATTCC 20
238
239 (2) INFORMATION FOR SEQ ID NO:11:
240
241 (i) SEQUENCE CHARACTERISTICS:
242 (A) LENGTH: 19 base pairs
243 (B) TYPE: nucleic acid
244 (C) STRANDEDNESS: single
245 (D) TOPOLOGY: linear
246
247
248 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
249
250 GGGACACACT CTACCATTC 19
251
252 (2) INFORMATION FOR SEQ ID NO:12:
253
254 (i) SEQUENCE CHARACTERISTICS:
255 (A) LENGTH: 20 base pairs
256 (B) TYPE: nucleic acid
257 (C) STRANDEDNESS: single
258 (D) TOPOLOGY: linear

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SEQUENCE VERIFICATION REPORT
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| Line | Error | Original Text |
|------|-----------------------------------|--------------------|
| 17 | Response Exceeds Line Limitations | Stroupe, Steven D. |